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शर्करा उद्योग में उपयोग किए जाने वाले  
सामूहिक प्रकार के केन्द्रापसारक  
मशीन के लिए बुनी ( जाल ) प्रकार के  
समर्थन लाइनों के लिए विशिष्टि  
( पहला पुनरीक्षण )

**Specification for Woven ( Mesh )  
Type Supporting Liners for  
Batch Type Centrifugal Machines  
Used in Sugar Industry**  
( First Revision )

ICS 65.060

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## FORWARD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Sugar Industry Sectional Committee had been approved by the Food and Agriculture Division Council.

This Indian Standard was first published in 1986 and since then it has not been revised. This revision of this standard has been undertaken to align it with the latest practices in the sugar industry. In this revision the latest version of referred Indian standards are incorporated.

The composition of the Committee responsible for the formulation of this standard is given at Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard*

# SPECIFICATION FOR WOVEN (MESH) TYPE SUPPORTING LINERS FOR BATCH TYPE CENTRIFUGAL MACHINES USED IN SUGAR INDUSTRY

*( First Revision )***1 SCOPE**

This Indian Standard specifies material, dimensions and other requirements for woven (mesh) type supporting liners for batch type centrifugal machines used in sugar industry.

**2 REFERENCES**

The standards given below contain provisions, which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No</i>	<i>Title</i>
IS 1570 (Part 5) : 1985	Schedule for wrought steels: Part 5 Stainless and heat resistant steels ( <i>second revision</i> )
IS 4413 : 1981	Specification for brass wires or general engineering purposes ( <i>first revision</i> )

**3 MATERIAL**

Any of the following materials may be used in the manufacture of the woven (mesh) type supporting liners for batch type centrifugal machines for sugar industry.

**3.1 Stainless Steel**

Steel conforming to grade 04Cr18Ni11 of IS 1570 (Part 5) : 1985 'Schedule for wrought steels: Part 5 Stainless and heat resistant steels'.

**3.2 Brass**

Brass conforming to grade Cu70Zn30 of IS 4413 : 1981 'Specification for brass wires or general engineering purposes'.

**4 DIMENSIONS**

**4.1** The supporting liners shall consist of a set of backing liner and a sand witch liner.

**4.2** The dimensions and thickness for different supporting liners shall be as given in Table 1.

**4.3** The size of the supporting liners will depend upon the size of the centrifugal.

**4.4** These liners can also be used for steep cone baskets of sugar industry.

**5 MARKING**

**5.1** Each supporting liner shall be marked with the following particulars:

- a) Manufacturer's name or trade-mark;
- b) Type of centrifugal machine and size;
- c) Diameter of wire; and
- d) Aperture size.

**5.2 BIS Certification Marking**

The product may also be marked with the Standard Mark.

**5.2.1** The use of Standard Mark is governed by the provisions of *Bureau of Indian Standards Act, 2016* and the Rules and Regulations made thereunder. The details of the conditions under which the licence for use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

**Table 1 Dimension for Supporting Liners**

Sl No.	Type	Nominal Aperture	Wire Diameter	Screening Area
(1)	(2)	(3) mm	(4) mm	(5)
i)	Backing	5	1.6 + 0.09	57
ii)	Sandwitch	2.24	0.9 + 0.02	51

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**6 PACKING**

As agreed to between the purchaser and the supplier.

**7 SAMPLING**

As agreed to between the purchaser and the supplier.

**ANNEX A***( Foreword )***COMMITTEE COMPOSITION**

Sugar Industry Sectional Committee, FAD 02

<i>Organization</i>	<i>Representative(s)</i>
National Sugar Insititure, Kanpur	SHRI NARENDRA MOHAN ( <b><i>Chairman</i></b> ) SHRI ASHUTOSH BAJPAI ( <i>Alternate</i> )
Army Service Core (ASC), New Delhi	LT COL B. B. SAHU
CONCERT, Chennai	SHRI R. SANTHANAM SHRI M. SOMASUNDARAM ( <i>Alternate</i> )
Consumer Guidance Society of India, Mumbai	SHRI SITARAM DIXIT DR M. S. KAMAT ( <i>Alternate</i> )
Food Corporation of India, New Delhi	SHRI DEEPAK KUMAR PANWAR SHRI RAKESH KUMAR RANJAN ( <i>Alternate</i> )
Food Safety Standards Authority of India, New Delhi	Ms APOORVA SRIVASTAVA (TECHNICAL OFFICER)
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Indian Institute of Sugarcane Research, Lucknow	DR A. D. PATHAK DR A. K. SHARMA ( <i>Alternate</i> )
Indian Institute of Toxicology Research, Lucknow	DR YOGESHWER SHUKLA
Indian Sugar Mills Association , New Delhi	SHRI G. K. THAKUR SHRI PANKAJ RASTOGI ( <i>Alternate</i> )
Indian Sugar Exim Corporation, New Delhi	MR RAJIV AGGARWAL MR RAJEEV KURUP ( <i>Alternate</i> )
Ministry of Consumer Affairs, Food & Public Distribution, New Delhi	SHRI SURESH CHANDRA
National Co-operative Development Corporation, New Delhi	SHRI K. P. VAISH SHRI N. K. SHARDA ( <i>Alternate</i> )
National Fed. Of Co-operative Development Corporation, New Delhi	MR MANOHAR GOPAL JOSHI
The Sugar Technologists Association of India, New Delhi	SHRI SANJAY AWASTHI SHRI ANURAG GOYAL ( <i>Alternate</i> )
Triveni Engineering & Industries Ltd, Muzaffarnagar, UP	RAJESH SINGH P. K. KHADELWAL ( <i>Alternate</i> )
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SHRI RAJPAL  
SCIENTIST 'C', BIS

Panel on Template, FAD 02/Panel (Engineering Standards)

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Dalmia Sugars Ltd	SHRI NEERAJ BANSAL
Global Sugar cane Ltd, New Delhi	SHRI MUKE SHRI CHOUHAN
Indian Sugar Mills Association, New Delhi	SHRI PANKAJ RASTOGI
JPMA-Pune	SHRI M. S. SUNDRAM
Triveni Engineering & Industries, Khatoli	SHRI ANIL TYAGI
VSI, Pune	SHRI K. R. PATIL



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